

11277500 LAKE ELEANOR NEAR HETCH HETCHY, CA

San Joaquin River Basin

LOCATION.--Lat 37°58'27", long 119°52'48" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.3, T.1 N., R.19 E., Tuolumne County, Hydrologic Unit 18040009, Yosemite National Park, 710 ft from left bank on upstream side of dam on Eleanor Creek, 1.7 mi upstream from Miguel Creek, and 5.5 mi northwest of Hetch Hetchy.

DRAINAGE AREA.--78.1 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--June 1918 to current year. Prior to October 1930, published in WSP 1315-A. Published as "near Sequoia" 1919-20.

REVISED RECORDS.--WSP 1445: 1938(M). WSP 1930: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2.39 ft above NGVD of 1929. Prior to Oct. 1, 1927, nonrecording gage on upstream side of dam at same site and datum.

REMARKS.--Reservoir is formed by multiple-arch dam completed in 1918; storage began June 23, 1918. Capacity, 26,110 acre-ft, between gage heights 4,620.9 ft, natural outlet of old lake, and 4,660.0 ft, top of 5-ft flashboards. Records represent usable contents. Records, excluding extremes, represent contents at 2400 hours. See schematic diagram of Tuolumne River Basin.

COOPERATION.--Reservoir storage values for the 2400 hour, Oct. 31 to Nov. 9, Aug. 31 to Sept. 6 and Sept. 14-18 were interpolated, based on 0800 hour observations provided by the City and County of San Francisco.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 31,000 acre-ft, Dec. 11, 1937, from capacity table then in use, gage height, 4,663.4 ft, maximum gage height, 4,663.87 ft, Jan. 1, 1997; no usable contents at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 28,000 acre-ft, May 16, maximum gage height, 4,661.89 ft; minimum, 19,700 acre-ft, Mar. 8, gage height, 4,653.05 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on table provided by San Francisco Public Utilities Commission, dated May 1941)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
4,608	0	4,620	36	4,628	1,480	4,646	13,500
4,610	6	4,622	49	4,630	2,450	4,650	17,000
4,612	12	4,624	92	4,632	3,580	4,655	21,500
4,614	18	4,625	211	4,635	5,270	4,660	26,100
4,616	24	4,626	550	4,638	7,330	4,663	29,100
4,618	27	4,627	996	4,642	10,300		

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20,500	25,200	23,100	21,500	24,700	21,000	22,500	25,000	26,000	22,900	24,000	22,000
2	20,500	25,300	22,800	21,500	24,400	20,900	22,500	25,100	25,900	22,800	24,100	22,000
3	20,500	25,300	22,400	21,500	24,100	20,700	22,500	25,400	25,700	22,600	24,100	21,900
4	20,500	25,100	22,100	21,500	23,900	20,400	22,400	25,500	25,600	22,300	24,000	21,800
5	20,500	24,800	21,700	21,300	23,700	20,200	22,300	26,000	25,600	21,900	24,000	21,700
6	20,400	24,600	21,500	21,100	23,400	20,000	22,500	25,600	25,400	22,300	24,000	21,700
7	20,400	24,400	21,600	21,100	23,300	19,800	23,000	25,300	25,100	23,100	23,700	21,700
8	20,400	24,500	21,700	21,400	23,000	19,800	23,200	25,500	24,900	23,800	23,500	21,600
9	20,400	24,800	21,700	22,000	22,800	19,900	23,200	26,300	24,800	24,400	23,500	21,600
10	20,400	25,100	21,900	23,300	22,500	20,200	23,100	25,600	24,900	24,900	23,500	21,500
11	20,300	25,400	22,000	24,100	22,200	20,700	23,100	25,200	25,100	25,400	23,400	21,500
12	20,300	25,400	22,200	24,500	22,200	21,200	23,400	25,200	25,200	25,900	23,400	21,400
13	20,300	25,300	22,400	24,700	22,100	21,700	23,700	25,500	25,300	26,400	23,400	21,400
14	20,300	25,300	22,300	24,800	21,900	22,000	23,800	25,800	25,500	26,800	23,000	21,300
15	20,300	25,100	22,200	24,800	22,100	22,100	23,900	26,100	25,500	27,100	22,800	21,200
16	20,200	24,900	22,000	24,800	22,600	22,100	24,400	27,600	25,400	27,000	22,800	21,200
17	20,500	24,800	21,800	24,800	22,700	22,000	25,100	26,400	25,300	26,900	22,700	21,200
18	21,500	24,700	21,700	25,000	22,700	21,800	25,400	26,200	25,000	26,700	22,700	21,100
19	22,400	24,600	21,600	25,200	22,600	22,000	25,300	26,500	24,500	26,600	22,600	21,100
20	23,700	24,600	21,600	25,300	22,500	22,200	25,100	26,500	24,100	26,300	22,600	21,100
21	24,200	24,600	21,500	25,200	22,500	22,200	24,900	26,300	24,000	26,100	22,500	21,100
22	24,600	24,700	21,500	25,100	22,400	22,900	24,900	26,400	24,100	25,800	22,500	21,100
23	24,600	24,600	21,300	25,100	22,200	23,100	24,600	26,400	24,100	25,500	22,500	21,000
24	24,800	24,400	21,200	25,100	22,100	23,000	24,400	26,300	24,100	25,200	22,400	21,000
25	25,100	24,200	21,100	25,300	21,900	22,900	24,200	26,500	24,000	24,800	22,300	21,000
26	25,500	24,000	21,000	25,600	21,600	22,700	24,200	26,500	23,700	24,500	22,300	21,000
27	25,500	24,100	20,900	25,500	21,400	22,700	24,500	26,600	23,500	24,300	22,300	21,000
28	25,400	23,900	20,900	25,300	21,300	22,900	24,600	26,400	23,300	24,300	22,200	20,900
29	25,400	23,800	20,900	25,100	---	22,800	24,500	26,000	23,100	24,400	22,200	20,900
30	25,300	23,500	21,100	25,000	---	22,700	24,600	25,800	23,000	24,400	22,100	20,900
31	25,300	---	21,400	24,900	---	22,500	---	25,900	---	24,200	22,000	---
Max	25,500	25,400	23,100	25,600	24,700	23,100	25,400	27,600	26,000	27,100	24,100	22,000
Min	20,200	23,500	20,900	21,100	21,300	19,800	22,300	25,000	23,000	21,900	22,000	20,900
Gage height, in feet, at end of month												
	---	4,657.14	4,654.86	4,658.69	4,654.75	4,656.10	4,658.37	4,659.73	4,656.61	4,657.89	---	4,654.31
Change in contents, in acre-feet												
	+4,700	-1,800	-2,100	+3,500	-3,600	+1,200	+2,100	+1,300	-2,900	+1,200	-2,200	-1,100

	Calendar Year 2004	Water Year 2005
Change in contents, in acre-feet	+4,700	+300

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